



DANISH MARITIME AUTHORITY

international



**e-Navigation
underway 2017**

e-Navigation:
A Showcase of Progress and Trends

Copenhagen • Oslo • Copenhagen
January 31st - February 2nd



Day 1

- 13:00 Welcome address**
Omar Frits Eriksson Dean IALA World-Wide Academy, Conference chair
- 13:10 Opening of the Conference**
Francis Zachariae Secretary General, IALA
Troels Blicher Danielsen Deputy Director General, Danish Maritime Authority
Kwang-youl Park Director General, Ministry of Ocean and Fisheries, Korea
- 13:40 Keynote: From testbeds to Implementation – e-Navigation hits reality**
Michael Bergman President, CIRM
- 14:10 IALA’s work in e-Navigation**
Michael Card Deputy Secretary General, IALA
- 14:25 IALA webpage on test beds**
Seamus Doyle Committee Secretary, IALA
- 14:40 An update on cyber initiatives in the maritime industry**
Lars Robert Pedersen Deputy Secretary General, BIMCO
- 15:00 Break**
- 15:30 Progress and trends; the IHO perspective**
Gilles Bessero Director, IHO
- 15:50 Status on the IMO e-navigation process**
John Erik Hagen Regional Director, Norwegian Coastal Administration
- 16:10 IMPA’s view on e-Navigation**
Simon Pelletier President, IMPA
- 16:30 Break**
- 17:00 E-Navigation - the Implications for Ports**
Johan Gahnström Senior Manager, Intertanko
- 17:40 e-Navigation – Who is paying for the Party?**
Anders Brødje Manager, Bahamas Shipowners Association
- 18:00 End of day 1**

Day 2

General perspectives

- 8:30 Increased efficiencies through use of e-navigation Services and Smart Connected Ships**
Dmitry Rostopshin Director, Transas, Russia
Anders Rydlinger Director, Transas, Sweden
- 8:50 S-100: the underpinning of eNavigation**
Julia Powell Deputy Chief, NOAA
- 9:10 New EU funding opportunities to support navigation and search and rescue**
Manuel Lopez-Martinez Technology officer, European GNSS Agency

9:30 Break

A Cluster of e-Navigation Projects

10:00 **The Maritime Cloud - underneath it all**

Thomas Christensen	Project manager, Danish Maritime Authority
André Bolles	R&D manager, OFFIS, Germany
Dr. Jin HyoungPark	Head of System Integration Management Team, KRISO, Korea

10:30 **STM going live – The STM test beds**

Björn Andreasson	Project Manager, SMA
Mikael Lind	Research Manager, RISE Viktoria

10:50 **EfficienSea2 – half way there**

Bjørn Borbye Pedersen	Director, Danish Maritime Authority
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11:10 **SMART-Navigation: an e-Navigation project focusing on non-SOLAS ships as well as SOLAS ships**

Dr. Han Jin Lee	Principal Researcher, KRISO, Korea
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11:30 Break

A Selection of Test Beds

12:00 **Route exchange in the SESAME Straits e-Navigation test bed**

Todd Schuett	Project Manager, Kongsberg
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12:20 **Experiences gained from e-Navigation test-bed in Finnish VTS's**

Tuomas Martikainen	Senior officer, Finish Transport Agency
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12:40 **Testbed for intelligent fairway smoothening path for autonomous vessels**

Jorma Timonen	Senior Officer, Finish Transport Agency
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13:00 Lunch

A selection of Test Beds (cont.)

14:00 **Dublin Bay Digital Diamond**

Deirdre Lane	Commisioners Of Irish Lights
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User Perspectives

14:20 **DanPilots perspektive/use of e-Navigation**

Søren Westerskov	Chief Pilot, DanPilot
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14:40 **Display of e-Navigation information**

Thomas Porathe	Professor, Norwegian University of Science and Technology
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15:00 **Break (short)**

15:20 **Group photo**

Specific Technical Solutions

- 15:35** **Location Sharing System Using AIS and RADAR TT Information on Cloud Server**
Yasuyuki Niwa Senior researcher, *Powered by* National Maritime
Research Institute, Japan
- 15:55** **Trials of e-Radar/e-Racon Positioning System at Singapore Port**
Takuo Kashiwa Department General Manager, FURUNO
- 16:15** **End of day 2**

Day 3

- 9:00** **Automated Ship Reporting Testbed**
Fred Pot Principal, Marine Management Consulting, USA
- 9:30** **Break (check out)**
- 10:00** **FROM AIS TO IoT**
Francisco Sarrias Managing Partner, Marina System Iberica, Spain
- 10:20** **CIRM-BIMCO pilot project on software maintenance**
Richard Doherty CTO, CIRM
- 10:30** **Announcing e-Navigation Underway – North America 2017
& e-Navigation Underway – Asia-Pacific 2017**
Fred Pot Principal, Marine Management Consulting
Sun-bae Hong Deputy Director, Ministry of Oceans and Fisheries, Korea
- 10:50** **Panel Discussion**
- 11:50** **Conference Conclusions**
Omar Frits Eriksson Dean, IALA World-Wide Academy
- 12:20** **Closing remarks**
Francis Zachariae Secretary General, IALA
- 12:30** **Light lunch**
- 13:00** **Conference closes**

The conference is organized by



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